



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Schlueter

U.S. Serial No. 10/753,254

Filed: January 8, 2004

Examiner: NYA

Group Art Unit: NYA

For: "Dual Function UV-absorbers for
Ophthalmic Lens Materials"

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on this date:

January 26, 2004
Date

Jeannie Burke
Jeannie Burke

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. 1.56

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. 1.56. Applicant submits the following patents, articles and other information:

U.S. Patent No. 4,528,311, Beard et al., issued July 9, 1985, for "Ultraviolet Absorbing Polymers Comprising 2-Hydroxy-5-Acryloyloxyphenyl-2H-Benzotriazoles"

U.S. Patent No. 4,612,358, Besecke et al., issued September 16, 1986, for "UV-Absorbing Monomer and Polymers Thereof"

U.S. Patent No. 4,716,234, Dunks et al., issued December 29, 1987, for "Ultraviolet Absorbing Polymers Comprising 2-(2'-Hydroxy-5'-Acryloyloxyalkoxyphenyl)-2H-Benzotriazole"

U.S. Patent No. 4,785,063, Slongo et al., issued November 15, 1988, for "Copolymerizable 2-(2'-Hydroxy-5'-Acryloyloxyalkyl)-2H-Benzotriazoles"

U.S. Patent No. 4,929,250, Hung et al., issued May 29, 1990, for "Ultraviolet Absorbing Lenses and Method of Making the Same"

U.S. Patent No. 4,963,160, Hung et al., issued October 16, 1990, for
"Reactive UV Absorbing Compositions and Method of Preparing Lenses
Therefrom"

U.S. Patent No. 5,098,445, Hung et al., issued March 24, 1992, for
"Ultraviolet Absorbing Agent for Bonding to an Ocular Lens"

U.S. Patent No. 5,133,745, Falcetta et al., issued July 28, 1992, for
"Ultraviolet Absorbing Hydrogels"

U.S. Patent No. 5,141,990, McKoy et al., issued August 25, 1992, for
"Photocurable Acrylic Composition and U.V. Curing with Development of
U.V. Absorber"

U.S. Patent No. 5,147,902, Ichikawa et al., issued September 15, 1992, for
"Ultraviolet Light Absorbing Ocular Lens"

U.S. Patent No. 5,164,462, Yang, issued November 17, 1992, for "Ultraviolet
Light Absorbing Compounds and Silicone Compositions"

U.S. Patent No. 5,189,084, Birbaum et al., issued February 23, 1993, for
"Process for Incorporating O-Hydroxyphenyl-S-Triazines in Organic Polymers"

U.S. Patent No. 5,194,544, Goldberg et al., issued March 16, 1993, for "UV
Absorbing Vinyl Monomers and Polymers and Ocular Implants Prepared
Therefrom"

U.S. Patent No. 5,290,892, issued March 1, 1994, for "Flexible Intraocular
Lenses Made from High Refractive Index Polymers"

U.S. Patent No. 5,298,033, issued March 29, 1994, for "Ultraviolet Absorbing
Lenses and Methods of Manufacturing Thereof"

U.S. Patent No. 5,331,073, Weinschenk, III et al., issued July 19, 1994, for
"Polymeric Compositions and Intraocular Lenses Made from Same"

U.S. Patent No. 5,384,235, Chen et al., issued January 24, 1995, for
"Photographic Elements Incorporating Polymeric Ultraviolet Absorbers"

U.S. Patent No. 5,399,692, Hung et al., issued March 21, 1995, for
"Ultraviolet Absorbing Benzophenone Sulfonic Acid Derivatives"

U.S. Patent No. 5,500,024, Hung et al., issued March 19, 1996, for
"Ultraviolet Absorbing Lenses and Methods of Manufacture Thereof"

U.S. Patent No. 5,648,488, Stevenson, issued July 15, 1997, for
"Compositions Stabilized with Red-Shifted Tris-Aryl-S-Triazines"

U.S. Patent No. 5,693,095, Freeman et al., issued December 2, 1997, for
"High Refractive Index Ophthalmic Lens Materials"

U.S. Patent No. 5,837,792, Meuwly et al., issued November 17, 1998, for
"Polysiloxane Light Stabilizers"

U.S. Patent No. 5,869,588, Toan et al., issued February 9, 1999, for
"Polymeric Compounds Derived from 2-Hydroxy-phenyl-S-triazines
Substituted with Ethylenically Unsaturated Moieties"

U.S. Patent No. 5,914,355, Kunzler, issued June 22, 1999, for "Method for
Making Contact Lenses Having UV Absorbing Properties"

U.S. Patent No. 5,928,629, Allard et al., issued July 27, 1999, for
"Photoprotective/Cosmetic Compositions Comprising
Dibenzoylmethane/Triazine/Diphenylacrylate Compounds"

U.S. Patent No. 5,928,630, Richard et al., issued July 27, 1999, for
"Benzalmalonate/Phenylcyanoacrylate-Substituted S-Triazine Compounds
and Photoprotective/Cosmetic Compositions Comprised Thereof"

U.S. Patent No. 5,924,564, Kaschig et al., issued August 24, 1999, for
"Hydroxyphenyl-S-Triazines"

U.S. Patent No. 5,945,465, issued August 31, 1999, for "Method for
Polymerizing Contact Lenses Having UV Absorbing Properties"

EP 0 221 630 A2, Bambury et al., published May 13, 1987, for "Ultraviolet
blocking agents for contact lenses"

EP 0 283 166 A1, Dunks et al., published September 21, 1988, for "2-(2'-
hydroxyphenyl)-5(6) (acryloyloxyalkoxy)-benzotriazole and ultraviolet
absorbing polymers therefrom"

EP 0 343 996 A2, Falcetta et al., published November 29, 1989, for
"Ultraviolet Absorbing Hydrogels"

EP 0 582 664 B1, Yang, published October 25, 2000, for "Ultraviolet Light
Absorbing Compounds and Silicone Compositions"

EP 0 693 483 A1, Bacher et al., published January 24, 1996, for "Compounds
having ultra-violet absorption properties"

EP 0 952 467 A1, Molock et al., published October 27, 1999, for "Ocular Devices Manufactured with Free Radical-polymerizable latent ultra-violet absorbers"

WO 98/50371, Nakano et al., published November 12, 1998, for "'2,2'-Bis(6-Benzotriazolylphenol)compounds, Ultraviolet Absorbers Comprising the Same, Copolymers Containing the same, and Polymer compositions containing the Same"

WO 99/58507, Liao et al., published November 18, 1999, for "Polymerizable Hydrophilic Ultraviolet Light Absorbing Monomers"

WO 99/60428, Kunzler, published November 25, 1999, for "Method for Making Contact Lenses Having UV Absorbing Properties"

WO 99/63366, Ozark et al., published December 9, 1999, for "Method for Polymerizing Contact Lenses Having UV Absorbing Properties"

WO 00/55212, Hodd et al., published September 21, 2000, for "Macromolecular Compounds"

Dickstein et al., "Functional Polymers. XXVI. Co- and Terpolymers Involving Methacrylates, N-Vinylpyrrolidone, and Polymerizable Ultraviolet Stabilizers and Antioxidants," *J. Macromol. Sci-Chem. A22*(4), pp. 387-402 (1985)

DeGroot et al., "Hydrophilic Polymeric Acylphosphine Oxide Photoinitiators/Crosslinkers for in Vivo Blue-Light Photopolymerization," *Biomacromolecules*, Vol. 2, pp. 1271-1278 (2001)

Keck et al., "Deactivation Processes of 2-Hydroxyphenyl-1,3,5-Triazines-Polymeric and Monomeric UV Absorbers of the Benzotriazole and Triazine Class, *Die Angewandte Makromolekulare Chemie*, Vol. 252, pp. 119-138 (1997)

Knaus et al., "Photoinitiators with Functional Groups. III. Water-Soluble Photoinitiators Containing Carbohydrate Residues," *J. of Polymer Science*, Vol. 33, pp. 929-939 (1995)

Pan et al., "Synthesis and Characterization of New Monomers Containing UV-absorber Function," *Polymer Degradation and Stability*, Vol. 49, pp. 231-237 (1995)

Rabek, J.F. Photostabilization of Polymers, Elsevier Applied Science, London and New York (1990), Chapter 1.1 – 1.3 (pages 1-5); Chapter 5.1 - 5.10 (pages 202-249); and Chapter 7.3 (pages 368-391)

Sustic et al., "New 2(20hydroxyphenyl)2H-benzotriazole based polymer-bound ultraviolet stabilizers," *ACS Polymer Prep.* Vol. 28(2), p. 226 (1987)

For the convenience of the Examiner, the patents and articles are also listed on PTO Form 1449.

Because the PTO has waived the requirement under 37 CFR 1.98(a)(2) to submit copies of each cited U.S. patent and patent application publication in all U.S. national patent applications filed after June 30, 2003, none are enclosed. Only copies of cited foreign patent documents and non-patent literature are enclosed.

Applicant requests that the listed references be considered during prosecution of this application, and that the references appear among the "References Cited" on any patent issuing herefrom.

Respectfully submitted,

ALCON

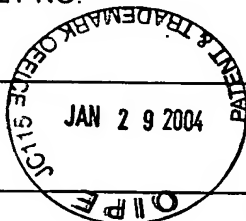
Jan. 26, 2004
Date

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Attorney Docket No.: 1921

Form PTO-1449 U.S. Dept. of Commerce Patent & Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		ATTY. DOCKET NO. 1921		SERIAL NO. 10/753,254		
		APPLICANT Schlueter				
		FILING DATE January 8, 2004				
		GROUP NYA				



U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	4,528,311	07/09/85	Beard et al.	524	91	
	AB	4,612,358	09/16/86	Besecke et al.	526	259	
	AC	4,716,234	12/29/87	Dunks et al.	548	259	
	AD	4,785,063	11/15/88	Slongo et al.	548	259	
	AE	4,929,250	05/29/90	Hung et al.	8	507	
	AF	4,963,160	10/16/90	Hung et al.	8	507	
	AG	5,098,445	03/24/92	Hung et al.	8	507	
	AH	5,133,745	07/28/92	Falcetta et al.	623	6	
	AI	5,141,990	08/25/92	McKoy et al.	522	4	
	AJ	5,147,902	09/15/92	Ichikawa et al.	523	106	
	AK	5,164,462	11/17/92	Yang	525	478	

FOREIGN PATENT DOCUMENTS								
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION			
					YES	NO		
AL	EP 0 283 166 B1	01/02/92	EPO					
AM	EP 0 221 630 A2	07/28/86	EPO					
AN	EP 0 343 996 A2	05/25/89	EPO					
AO	EP 0 582 664 B1	10/25/00	EPO					
AP	EP 0 693 483 A1	01/24/96	EPO					

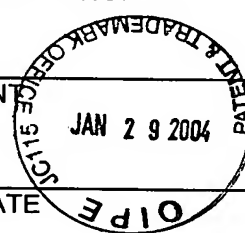
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
AR	Dickstein et al., "Functional Polymers. XXVI. Co- and Terpolymers Involving Methacrylates, N-Vinylpyrrolidone, and Polymerizable Ultraviolet Stabilizers and Antioxidants," <i>J. Macromol. Sci-Chem. A22(4)</i> , pp. 387-402 (1985)	
AS	DeGroot et al., "Hydrophilic Polymeric Acylphosphine Oxide Photoinitiators/Crosslinkers for in Vivo Blue-Light Photopolymerization," <i>Biomacromolecules</i> , Vol. 2, pp. 1271-1278 (2001)	
AT	Keck et al., "Deactivation Processes of 2-Hydroxyphenyl-1,3,5-Triazines-Polymeric and Monomeric UV Absorbers of the Benzotriazole and Triazine Class, <i>Die Angewandte Makromolekulare Chemie</i> , Vol. 252, pp. 119-138 (1997)	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449 U.S. Dept. of Commerce Patent & Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		ATTY. DOCKET NO. 1921		SERIAL NO. 10/753,254		
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	BA	5,189,084	02/23/93	Birbaum et al.	524	100	
	BB	5,194,544	03/16/93	Goldberg et al.	526	257	
	BC	5,290,892	03/01/94	Namdaran et al.	526	259	
	BD	5,298,033	03/29/94	Hung et al.	8	509	
	BE	5,331,073	07/19/94	Weinschenk, III et al.	526	264	
	BF	5,384,235	01/24/95	Chen et al.	430	512	
	BG	5,399,692	03/21/95	Hung et al.	544	327	
	BH	5,500,024	03/19/96	Hung et al.	8	509	
	BI	5,648,488	07/15/97	Stevenson	544	215	
	BJ	5,693,095	12/02/97	Freeman et al.	623	6	
	BK	5,837,792	11/17/98	Meuwly et al.	528	27	

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
						YES	NO	
	BL	EP 0 952 467 A1	10/27/99	EPO				
	BM	WO 98/50371	11/12/98	PCT			X	
	BN	WO 99/58507	11/18/99	PCT				
	BO	WO 99/60428	11/25/99	PCT				
	BP	WO 99/63366	12/09/99	PCT				

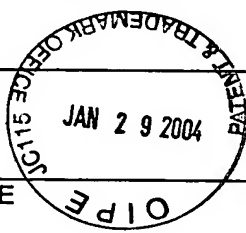
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
BR	Knaus et al., "Photoinitiators with Functional Groups. III. Water-Soluble Photoinitiators Containing Carbohydrate Residues," <i>J. of Polymer Science</i> , Vol. 33, pp. 929-939 (1995)	
BS	Pan et al., "Synthesis and Characterization of New Monomers Containing UV-absorber Function," <i>Polymer Degradation and Stability</i> , Vol. 49, pp. 231-237 (1995)	
BT	Rabek, J.F. <i>Photostabilization of Polymers</i> , Elsevier Applied Science, London and New York (1990), Chapter 1.1 - 1.3 (pages 1-5); Chapter 5.1 - 5.10 (pages 202-249); and Chapter 7.3 (pages 368-391)	

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	CA	5,869,588	02/09/99	Toan et al.	526	261	
	CB	5,914,355	06/22/99	Künzler	523	106	
	CC	5,928,629	07/27/99	Allard et al.	424	59	
	CD	5,928,630	07/27/99	Richard et al.	424	59	
	CE	5,942,564	08/24/99	Kaschig et al.	524	100	
	CF	5,945,465	08/31/99	Ozark et al.	523	106	
	CG						
	CH						
	CI						
	CJ						
	CK						

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	CL	WO 00/55212	09/21/99	PCT				
	CM							
	CN							
	CO							
	CP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
	CR	Sustic et al., "New 2(20hydroxyphenyl)2H-benzotriazole based polymer-bound ultraviolet stabilizers," <i>ACS Polymer Prep.</i> Vol. 28(2), p. 226 (1987)
	CS	
	CT	

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